

METHOD FOR CONTROLLING MERCURY CONCENTRATION IN EXHAUST GAS

Publication number: JP2191526

Publication date: 1990-07-27

Inventor: KAWAKAMI MASAOKI; FUJII SATOSHI; ASE HAJIME;
KOMINE ISAMU

Applicant: NIPPON KOKAN KK

Classification:

- international: **B01D53/64; B01D53/34; B01D53/46; B01D53/34;**
(IPC1-7): B01D53/34

- European:

Application number: JP19880282597 19881110

Priority number(s): JP19880282597 19881110; JP19880253909 19881011

[Report a data error here](#)

Abstract of JP2191526

PURPOSE:To prevent the supply of an excess of hypochlorite by operating the flow rate of the hypochlorite so that the deviation between the mercury concn. in the gas exhausted after an estimated dead time and the desired value is decreased to zero. **CONSTITUTION:**The exhaust gas 5 from an incinerator is introduced into a washing tower 8, and brought into contact with a cleaning soln. 7. The hypochlorite 8 as an oxidizing agent is added from the midst of a cleaning soln. line to remove reductive matter and metallic mercury by oxidation. The mercury concn. in the treated gas is measured by a mercury densitometer 9, and inputted to a mercury-removal controller 10, a flow-rate signal is sent to a feed pump 11 for the hypochlorite, and the supply of the hypochlorite 8 is controlled. In this case, the dead time until the variation in the flow rate of the hypochlorite added affects the variation in the mercury concn. in the exhaust gas is calculated by the controller 10, and the deviation between the mercury concn. in the exhaust gas and the desired value is decreased to zero.



